

SLEEPING BEAR DUNES NATIONAL LAKESHORE

PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Sleeping Bear Dunes National Lakeshore. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

LEELANAU DISTRICT

1. An inductive loop traffic counter is located on the entrance lane to the parking area at the Coast Guard Station Maritime Museum. The traffic count is reduced for non-reportable visits (see Table 1) and buses. The traffic count is multiplied by 1.38 to adjust for all traffic counts in the area. The adjusted traffic count is multiplied by 0.85 (September - May) or 0.8 (June - August) to reduce for the number of duplicate traffic counts. The reduced traffic count is multiplied by the PPV multiplier in Table 2.
2. An inductive loop traffic counter is located on the entrance lane to the parking area at Dune Climb. The traffic count is reduced for non-reportable visits (see Table 1) and buses. The traffic count is multiplied by 1.38 to adjust for all traffic counts in the area. The adjusted traffic count is multiplied by 0.85 (September - May) or 0.8 (June - August) to reduce for the number of duplicate traffic counts. The reduced traffic count is multiplied by the PPV multiplier in Table 2.
3. An inductive loop traffic counter is located on the entrance lane at Pierce Stocking Scenic Drive. The traffic count is reduced for non-reportable visits (see Table 1) and buses. The traffic count is multiplied by 1.38 to adjust for all traffic counts in the area. The adjusted traffic count is multiplied by 0.85 (September - May) or 0.8 (June - August) to reduce for the number of duplicate traffic counts. The reduced traffic count is multiplied by the PPV multiplier in Table 2.
4. The number of bus passengers is the number of buses multiplied by 4.

PLATTE RIVER DISTRICT

5. An inductive loop traffic counter is located on the entrance lane to the parking area at Esch Road. The traffic count is reduced for non-reportable visits (see Table 1) and buses. The traffic count is multiplied by 1.38 to adjust for all traffic counts in the area. The adjusted traffic count is multiplied by 0.85 (September - May) or 0.8 (June - August) to reduce for the number of duplicate traffic counts. The reduced traffic count is multiplied by a seasonal persons-per-vehicle (PPV) multiplier (see Table 2).

6. An inductive loop traffic counter is located on the entrance lane to the parking area at Platte River Mouth (Lake Michigan Drive). The traffic count is reduced for non-reportable visits (see Table 1) and buses. The traffic count is multiplied by 1.38 to adjust for all traffic counts in the area. The adjusted traffic count is multiplied by 0.85 (September - May) or 0.8 (June - August) to reduce for the number of duplicate traffic counts. The reduced traffic count is multiplied by a seasonal persons-per-vehicle (PPV) multiplier (see Table 2).

ISLANDS DISTRICT

7. The number of day-use visitors arriving at South Manitou Island by ferry.

8. The number of day-use visitors arriving at North Manitou Island by ferry.

9. The number of day-use visitors arriving at South Manitou Island by private boat.

10. The number of day-use visitors arriving at North Manitou Island by private boat.

11. The number of day-use campers on South Manitou Island is the number of permits issued times the person per site multiplier of 3.4.

12. The number of day-use campers on North Manitou Island is the number of permits issued times the person per site multiplier of 3.4.

13. The number of private boat overnight stays is determined from a morning count of boats moored at South and North Manitou Islands and multiplied by 3.4.

Table 1

Non-reportable Vehicle Count by Location

LOCATION	NON-REPORTABLE VEHICLES (May - Sept)	NON-REPORTABLE VEHICLES (Oct - Apr)
Coast Guard Museum	240	55
Dune Climb	215	45
Stocking Scenic Drive	190	85
Esch Road	140	40
Lake Michigan Drive	215	110

Table 2

Persons-per-Vehicle (PPV) Multipliers by Season

SEASON	PPV
June - August	3.75
September - May	2.57

Recreation Visitor Hours

Recreation visitor hours are the sum of the subtotals of each of the categories listed in Table 3. Each subtotal is the result of multiplying the number of visitors associated with that category by its length-of-stay multiplier.

Table 3

Average Length-of-Stay Multipliers by Category

CATEGORY	AVERAGE LENGTH-OF-STAY
Vehicular Recreation Visits	3.80 hours
North and South Manitou Day-Use Visits	3.80 hours
Bus Visits	3.80 hours

Overnight Stays	22.30 hours
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Overnight Stays

NPS Campgrounds - D. H. Day and Platte River

The number of tent sites occupied is multiplied by the persons-per-site multiplier of 3.4.

The number of RV sites occupied is multiplied by the persons-per-site multiplier of 3.4.

NPS Backcountry -

The number of backcountry overnight stays.

Special Use Data

Line n. Number of tour buses